Turning every power line into a largely unshielded, broadband HF transmitter is an exceedingly bad idea. Cable, which is supposedly well shielded against unwanted RF emissions, already causes so much RF interference on Georgia Tech's campus that 144 MHz radios are hardly usable without tone squelch enabled. And now we're thinking about unleashing mostly unshielded broadband HF noise on the largest free-standing antenna network in the world, the power grid?

This can and will cause major problems. It already has in areas of the world in which similar technologies have been deployed. To overcome the interference, HF radio operators will probably just jack up their transmit power to the legal limit, making low-power and portable operation nearly impossible, and causing even more interference.

Please, please, please kill this idea. Personally, I'd be less upset if the FCC mandated strict notch filters for the amateur HF bands, but I know there are other non-amateur HF services that would receive significant interference.